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(54) LIQUID DETERGENT COMPOSITION

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a liquid detergent composition, having the moderate dexterity for the so-called fancy wear and capable of further imparting excellent touch feeling and dimensional stability thereto by blending a specific amino-modified silicone derivative with plural surfactants.

SOLUTION: This liquid detergent composition comprises (A) 0.05-5wt.% amino-modified silicon derivative represented by formula I [(I) is $\text{R}_1\text{O}(\text{R}_2\text{O})_m\text{R}_3$; (m) and (n) are each a number so as to provide $(I):(m)=(100:1)$ to $(10:1)$; $(m):(n)=(1:10)$ to $(10:1)$; R is a 1-4C alkyl, etc.; R₁ is a 1-4C alkyl; A is represented by formula II, etc., [(a) is 2-6; R₂ is H or a 1-4C alkyl; (p) is 1-6; (q) is 1-20; (r) is 0-20; R₃ is a 1-18C alkyl]; B is $(\text{CH}_2)_a-\text{O}-(\text{C}_2\text{H}_4)_x-\text{O}-(\text{C}_3\text{H}_6)_y-\text{O}-(\text{C}_2\text{H}_4)_z-\text{O}-\text{R}_4$ [(x) is 1-20; (y) is 0-20; R₄ is a 1-10C alkyl] or R₁] and (B) 5-70wt.% surfactant containing (i) 95-75wt.% nonionic surfactant represented by formula III [R₁ is an 8-18C alkyl, etc.; R₂ is a 2-4C alkyl; R₃ is H, methyl, etc.; (n) is the number of mol of an added alkylene oxide] and (ii) 5-15wt.% nonionic surfactant, represented by formula IV (R₄ is R₁; R₅ is R₃) and having 7-10 value of hydrophile-lipophile balance(HLB) and *4wt.% content of a compound in which (n) is 0 and the number of mol of the compound having the highest content (n_{max}) satisfies formula V. The weight ratio of the ingredients A:B is (1:100) to (1:5).

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